Appendix A — Restoration

1. Introduction & Background

The Coos County natural gas pipeline project consists of two major pipeline segments. The "main line" runs approximately 60 miles from near Roseburg to the city of Coos Bay. A branch or "lateral" line runs from the mainline near Fairview southwest to the vicinity of Johnson Mill, on the north bank of the Coquille River, and thence northwest to the city of Coquille. (Another lateral line runs from Johnson Mill southeast to the town of Myrtle Point. However, that line was constructed in accordance with a Department of the Army permit, and is not part of the current enforcement action.) Coos County has already undertaken restoration of rivers, streams, and wetlands impacted by construction of the pipeline pursuant to the restoration plan developed and implemented by GeoEngineers, Inc., which was developed consistent with the September 9, 2004, Memorandum of Agreement between Coos County and the US Army Corps of Engineers, and which Coos County submitted to the Corps on August 25, 2005 ("GeoEngineers Restoration Plan"). This appendix sets out additional restoration measures required of Coos County where construction of the pipeline impacted rivers, streams or wetlands.

2. Definitions and Site Names

- The word "site" means 1) a location where the pipeline crossed a river, stream or wetland using a construction technique that resulted in a discharge of dredged or fill material into the stream or wetland, or 2) an area leading to from such crossings where sediment from the construction activity could or can reach a river, stream or wetland.
- The term "active site" denotes a site which the Corps of Engineers has not approved as being satisfactorily restored.
- The term "main line" means the 12-inch pipeline running from near Roseburg to Coos Bay, Oregon.
- The term "lateral line" means the 6-inch and 4-inch lines running from the main line near the town of Fairview to the vicinity of Johnson Mill on the north bank of the Coquille River, and from there to Coquille.
- The term "in-road site" means a site on the Coos Bay Wagon Road or some other pre-existing road where the pipeline was installed beneath the road surface and beneath a culvert through which a stream passes.
- The term "cross-country site" means any site other than an in-road site.
- The term "in-water work window" means the period designated for a particular location in the Oregon Department of Fish and Wildlife publication *Oregon Guidelines for Timing of In-Water Work to Protect Fish and Wildlife Resources*, dated June 2000, unless a different period has been designated or approved in writing by NOAA Fisheries.

- A "reasonably expected precipitation event" means a 20-year, 48-hour event estimated using rainfall data from
  - the nearest US Weather Service or other reliable instrumentation location
  - whose data base is sufficient to allow calculation of such events, and
  - whose position in the landscape is such that precipitation amounts and durations at the instrument location are reasonably representative of conditions at the crossing in question.
- The term "satisfactorily restored site" means a site which the Corps of Engineers has approved as being stabilized and revegetated in accordance with the requirements of the Consent Order and this appendix. Further monitoring, streambank stabilization, channel stabilization, revegetation and the like are not required for satisfactorily restored sites.

The Coos County Pipeline Project crosses more than 200 streams and wetlands. Several different naming and numbering schemes have been used by different persons or groups. Given the potential for misunderstanding or confusion, the Corps of Engineers believes it essential the parties to this agreement use the same numbering scheme. Current Corps of Engineers and County ID numbers for the crossings are shown in Table 1. The Corps of Engineers and the County expect to resolve the discrepancies in Table 1 during field inspections in the Spring of 2008.

3. General Restoration Requirements

The County shall undertake reasonable restoration of areas impacted by pipeline construction activities within 100 feet on either side of an affected tributary or jurisdictional area. Restoration will include grade control within each channel's Ordinary High Water Mark (OHWM), riparian plantings within 30 horizontal feet (HF) from the OHWM, streambank stabilization within 50 HF from the OHWM, and slope erosion control within 100 HF from the OHWM.

A substantial portion of the mainline was installed in public roads, including the existing Coos Bay Wagon Road. While this in-road work resulted in substantial impacts to waters of the U.S., the Corps of Engineers agrees that Coos County has performed all work necessary to satisfactorily restore all in-road crossing sites on the mainline. In addition, the Corps of Engineers and Coos County have agreed that Coos County has performed all work necessary to satisfactorily restore the cross-country crossings shown in Table 2, in accordance with the success criteria below.

All other sites on both the Main Line and the Lateral Line shall initially be considered active sites.

Success Criteria

A site will be considered satisfactorily restored when the following conditions, as applicable, are met:

- Stream banks and bottom, adjacent riparian areas, and nearby slopes are stable and will withstand reasonably expected precipitation events with only minimal further erosion or contribution of sediment to the stream.
- Woody vegetation consistent in species composition and density with that present at the site prior to construction has been re-established and is expected to succeed to a self-sustaining vegetative community. The density of native vegetation at each fully restored stream crossing shall be equal to 80 percent or greater of the established baseline from the adjacent area.
- Total areal coverage of seeded groundcover is equal to or greater than 90 percent.
- All road crossings at cross-country sites are culverted, with the culvert size being sufficient to pass the flow resulting from reasonably expected precipitation events, and with the bottom of the culvert being at the elevation of the stream bed or countersunk below the stream bed and backfilled.

Note that in order to stabilize banklines, riparian areas and nearby slopes, it may be necessary to plant or seed with species or densities beyond that required to simply replace pre-construction vegetation.

In order to be considered self-sustaining, vegetation must not have been planted, re-planted, irrigated, fertilized or otherwise maintained within the two years prior to the inspection upon which the determination of success is based.

Where the composition and density of vegetation prior to construction is not known, the vegetation immediately upstream and downstream of the area cleared for construction will be considered representative of that present on the site prior to construction.

Responsibility for Obtaining Access

The County shall use best efforts to obtain any necessary permission for inspection access to all properties it does not own, and to obtain such permission, easements or other instruments as may be necessary to carry out any needed restoration actions.

Should the County be unable to obtain the necessary access, the County shall notify the Corps of that fact. The notification shall include the site designation, the legal description of the property involved, the name, address and phone number of the property owner, and a chronology of the County's efforts to obtain access.

Should the County ultimately be unable to carry out the required restoration actions because it is unable to obtain access to the property, the Corps and the County will attempt to reach agreement on stream enhancements or some other form of mitigation to offset the impacts resulting from the inability to carry out restoration. Should the County and the Corps of Engineers not reach agreement on alternative forms of mitigation in the absence of access necessary to conduct restoration, the dispute shall be handled in accordance with the Dispute Resolution section of the Consent Decree.

4. Inspection, Assessment and Restoration Requirements at Specific Sites

The Corps of Engineers and the County have agreed upon restoration activities to be undertaken in 2008. Those activities are shown in Table 3. The County shall prepare and submit Restoration Work Plans for that work by February 28, 2008. (The nature and content of such plans is described below.) After review and approval of those work plans by the Corps of Engineers, the County shall undertake the restoration activities in 2008, during the in-water work window appropriate to the site location.

The County has also agreed to assess the adequacy (size, elevation, alignment and slope) of road crossing culverts at a number of locations where the culvert could be affecting streambank stability. Those locations are also shown in Table 3.

5. Monitoring of Active Sites

Inspection of Active Sites

The Corps of Engineers and the County have agreed upon a list of sites to be inspected during the Spring of 2008, for the purpose of determining whether further restoration measures are required. Those sites are shown in Table 3.

Absent additional restoration action at an active site, subsequent inspections shall be carried out at least every other year. If additional restoration actions are carried out at a given active site, that site shall be inspected the following year, with subsequent inspections at least every other year. Inspection of an active site shall continue until the site is found to be satisfactorily restored.

Inspections shall be carried out during the months of April or May, so that the stability of stream bed and banks over the previous winter may be assessed.

During each inspection, Coos County shall

- document existing conditions by photograph and daily field reports.
- count each tree and shrub species and record the health of the plant community, using representative plots for each site.
- examine the vegetation for signs of drought stress and record any plant mortality.
- estimate the vegetative cover, as well as the coverage of bare ground and invasive species.

Photographs shall be taken with a digital camera and shall be of a resolution and quality sufficient to allow the production of reasonable quality 5x7 or larger prints. The number of photos taken at a given site shall be sufficient to determine the stability of stream beds, banks, and adjacent slopes, and to determine the success of restoration planting and seeding, and the overall abundance of vegetation on each site.

For each photograph the County shall note: 1) the data file name; 2) the designation of the crossing involved, using the identification system described elsewhere in this document; 3) the date upon which the photo was taken; 4) the direction toward which the camera was pointed; 5) whether the photo is looking upstream or downstream (if applicable), and; 6) a brief description of what the photo is illustrating.

The County shall ensure the data for each site (i.e., photographs and field notes) are sufficient to allow a determination of whether further restoration work is needed at the site.

Site Analysis and Recommendation

Based upon the inspection results, for each active site the County shall prepare a brief (e.g., one-page) analysis of conditions at the site. The County shall also either

- recommend restoration actions to be undertaken during the next in-water work window, or
- recommend that restoration is not currently needed, but monitoring should continue, or
- state that it believes the site has been satisfactorily restored.

Where the County believes a site has been satisfactorily restored, the County shall also provide a brief description of the restoration measures that have been taken at that location, when those measures were taken, and the impact of those measures.

Monitoring Reports

The County shall provide the Corps of Engineers with a report transmitting representative photographs, site analyses and recommended actions for the sites inspected that year. The report shall be submitted by July 31, and be sent to:

U.S. Army Corps of Engineers
ATTN: Enforcement Team Leader
Regulatory Branch (OD-G)
P.O. Box 2946
Portland, Oregon 97208

With the hard copy document, the County shall provide copies of the original data files for all digital photographs, whether used in the report or not. The County shall also provide a photograph log file which shows, for each photograph: 1) the data file name; 2) the designation of the crossing involved, using the identification system described elsewhere in this document; 3) the date upon which the photo was taken; 4) the general direction toward which the camera was pointed; 5) whether the photo is looking upstream or downstream (if applicable); and 6) a brief description of what the photo is illustrating.

Corps Review of Monitoring Reports

The Corps shall review the monitoring report and recommended actions, and respond to the County by September 30 of the year of submission of the report and recommended actions.

For each active site the Corps shall either concur with the County's proposed action or statement of satisfactory restoration, or indicate the action it believes necessary and provide its reasons for doing so. Where the County has recommended restoration action not be undertaken the following year, and the Corps believes such action to be necessary, the Corps shall provide a brief written summary of the measures it believes appropriate and the reasons it believes such measures are appropriate. The Corps and County shall also, at their earliest convenience, discuss those issues and attempt to reach agreement on the matter.

If the County and the Corps are unable to reach agreement upon whether a site has been satisfactorily restored or upon the actions to be taken at a given site, the issue shall be resolved in accordance with the Dispute Resolution section of the Consent Decree.

6. Implementation of Restoration Activities

Preparation of Restoration Work Plans

Where the County proposes restoration action be taken on an active site, or where the Corps of Engineers determines restoration action to be necessary, the County shall prepare a proposed work plan for the site. The plan shall provide information in sufficient detail to permit adequate review by the Corps of Engineers including, but not limited to, the following information:

- A description of the work to be accomplished
- The general methods to be used to achieve that work
- The sequence in which the work will be completed and the equipment to be used
- Contact information for the consultant or project manager and, upon availability, the contractor responsible for carrying out the work
- Sketches and plan views for the work, at least roughly to scale. Each shall contain a graphic scale.
- A time table for implementation of the restoration
- Methods to be used to minimize adverse impacts to water quality and existing vegetation during the restoration work
- The species to be planted, replanted, or seeded, the density for such species, the location, and planting and post planting practices
- The time period during which revegetation will occur

Submittal and Review of Restoration Work Plans

For restoration work to be done in 2009 and subsequent years, the County shall submit the package of restoration work plans for the work to be carried out during a given calendar year by December 31 of the previous year. The plans shall be sent to the same address as for monitoring reports, above. The Corps shall review the work plans and inform the County in writing of any concerns it may have by February 28 of the year in which the work is to be done. Should the

Corps have any such concerns, the Corps and the County shall, at their earliest convenience, discuss those concerns and attempt to reach agreement on the matter.

Should the County and the Corps be unable to reach agreement on the work to be done at a given site or on the adequacy of a work plan, the issue will be resolved in accordance with the Dispute Resolution section of the Consent Decree.

Restoration and Nationwide Permit Conditions

Work in waters of the US necessary to carry out the restoration will be authorized under the Corps of Engineers Nationwide Permit 32. Any authorization under that nationwide permit may be revoked if the County does not comply with the terms and conditions of the nationwide permit, including regional and case-specific special conditions, including in-water work window restrictions.

All restoration work involving the placement or removal or disturbance of rock, gravel, soil or similar materials on the banks or within the channel of a stream shall be carried out only during the ODFW in-water work window for the appropriate watershed. The County shall not begin such work unless there is sufficient time to complete the work and stabilize the disturbed area without having to seek an extension of the in-water work window. Once started, the work shall be pursued diligently until completed.

Table 1. ID Numbers and Locations of Cross-Country Stream and Wetland Crossing Sites. Sites on the first three pages of this table are on the Roseburg - Coos Bay main line. Sites on the last page of this table are on the Fairview - Coquille lateral line. All sites are in Universal Transverse Mercator (UTM) Zone 10

Corps ID	County ID	Stream Name	Easting	Northing	Tributary of
1.0	1	Unnamed	466496	4780417	Marsters Cr
2.0	2	Unnamed	466200	4780431	Marsters Cr
2.1	2.4	Unnamed	466108	4780436	Marsters Cr
2.5	2.9	Unnamed	466017	4780440	Marsters Cr
3.0	3	Unnamed	465540	4780463	Marsters Cr
3.1	3a	Unnamed	465072	4780484	Marsters Cr
4.0	4	Powderhouse Canyon	465037	4780486	Marsters Cr
5.0	5	Unnamed	464602	4780507	Marsters Cr
6.0	6	Unnamed	464202	4780527	Marsters Cr
6.5	6.5	Unnamed	463975	4780538	Marsters Cr
7.0	7	Unnamed	463721	4780551	Marsters Cr
8.0	8	Unnamed	463568	4780556	Marsters Cr
8.1		Unnamed	462001	4780557	Lookingglass Cr
9.0	9	Unnamed	461369	4780518	Lookingglass Cr
9.1		Unnamed	461132	4780513	Lookingglass Cr
10.0	10	Unnamed	460328	4780490	Lookingglass Cr
11.0	11	Unnamed	459888	4780495	Lookingglass Cr
12.0	12	Unnamed	459721	4780492	Lookingglass Cr
13.0	13	Unnamed	459617	4780489	Lookingglass Cr
13.1		Unnamed	458621	4780474	Morgan Cr
13.2		Unnamed	458550	4780473	Morgan Cr
14.0	14	Unnamed	457960	4780475	Morgan Cr
15.0	15	Unnamed	457828	4780490	Morgan Cr
16.0	16	Unnamed	457653	4780509	Morgan Cr
17.0	17	Unnamed	457567	4780543	Morgan Cr
18.0	18	Unnamed	457250	4780579	Morgan Cr
19.0	19	Unnamed	457120	4780592	Morgan Cr
20.0	20	Unnamed	457056	4780599	Morgan Cr
21.0	21	Unnamed	456931	4780613	Morgan Cr
21.1		Unnamed	456879	4780620	Morgan Cr
22.0	22	Unnamed	455634	4780718	Morgan Cr
23.0	23	Morgan Creek	454991	4781174	Lookingglass Cr
24.0	24	Unnamed	454970	4781185	Morgan Cr
25.0	25	Unnamed	454545	4780954	Morgan Cr
26.0	26	Unnamed	454014	4780829	Morgan Cr
27.0	27	Unnamed	453934	4780703	Rock Cr
28.0	28	Unnamed	453825	4780587	Rock Cr
29.0	29	Unnamed	453601	4780422	Rock Cr
30.0	30	Unnamed	453459	4780323	Rock Cr
31.0		Unnamed	453085	4780072	Rock Cr
32.0	32	Unnamed	453024	4780024	Rock Cr
32a		Unnamed			Rock Cr
32b		Unnamed			Rock Cr
33.0	33	Unnamed	452519	4779659	Rock Cr
34.0	34	Unnamed	452401	4779577	Rock Cr
34.5	34.5	Unnamed	452247	4779472	Rock Cr
34.5.1	34.5a	Unnamed	452216	4779448	Rock Cr

Table 1 (cont). ID Numbers and Locations of Cross-Country Stream and Wetland Crossing Sites.

Corps ID	County ID	Stream Name	Easting	Northing	Tributary of
35.0	35	Unnamed	451944	4779256	Rock Cr
36.0	36	Unnamed	451855	4779193	Rock Cr
37.0	37	Rock Cr	451411	4778812	Morgan Cr
38.0	38	Unnamed	450918	4778532	Rock Cr
38A	38a	Unnamed	450765	4778424	Rock Cr
38B	38.2	Unnamed	450372	4777641	North Fork Tenmile Cr
39.0	39a	Unnamed	450360	4777616	North Fork Tenmile Cr
39A	39b	Unnamed	450340	4777572	North Fork Tenmile Cr
39A.1	39c	Unnamed	450192	4777209	North Fork Tenmile Cr
40.0	40	Unnamed	450131	4777138	North Fork Tenmile Cr
41.0	41	Unnamed	450003	4777041	North Fork Tenmile Cr
42.0	42	Unnamed	449656	4776778	North Fork Tenmile Cr
43.0	43	Unnamed	449247	4776474	North Fork Tenmile Cr
44.0	44	Unnamed	449038	4776313	Tenmile Cr
45.0	45	Unnamed	448957	4776251	Tenmile Cr
46.0	46	Unnamed	448747	4776112	Tenmile Cr
47.0	47	Unnamed	448546	4776127	Tenmile Cr
48.0	48	Unnamed	448369	4776095	Tenmile Cr
48.1		Unnamed	448276	4776098	Tenmile Cr
48.2		Unnamed	448153	4776124	Tenmile Cr
48.3		Unnamed	447973	4776147	Tenmile Cr
49.0	49	Tenmile Cr	447624	4776176	Olalla Cr.
49A	49a	Unnamed	447104	4776238	Wilson Cr
49B	49.5	Unnamed	446851	4776256	Wilson Cr
49W	49.5w	Unnamed	446831	4776258	Wilson Cr
50.0	50	Unnamed	445616	4776321	Tenmile Cr
51.0	51	Unnamed	445427	4776344	Tenmile Cr
52.0	52	Unnamed	444802	4776416	East Fork Coquille River
52W		Unnamed	444719	4776423	East Fork Coquille River
52A.1		Unnamed	444479	4776584	East Fork Coquille River
52A.2		Unnamed	442857	4776985	East Fork Coquille River
111.0	111	Unnamed	418975	4779961	East Fork Coquille River
112.0	112	Unnamed	418717	4780191	East Fork Coquille River
112.1	112.3	Unnamed	418407	4780447	Cherry Creek
112A	112.3	Unnamed	418091	4780712	Cherry Creek
113.0	113	Cherry Cr	417752	4780943	Middle Cr
113.1		Unnamed	417460	4781160	Middle Cr
113.2		Unnamed	417392	4781229	Middle Cr
113.3		Unnamed	417209	4781371	Middle Cr
113.4		Unnamed	417027	4781475	Middle Cr
114.0	114	Middle Cr	416771	4781790	North Fork Coquille River
116.0	116	Unnamed	415557	4782691	North Fork Coquille River
117.0	117	Unnamed	415530	4782729	North Fork Coquille River
118.0	118	Unnamed	415497	4782770	North Fork Coquille River
119.0	119	Unnamed	415432	4782849	North Fork Coquille River
120.0	120	Unnamed	415397	4782892	North Fork Coquille River
120.1		Unnamed	414546	4783873	North Fork Coquille River
120.2		Unnamed	414020	4784432	North Fork Coquille River

Table 1 (cont). ID Numbers and Locations of Cross-Country Stream and Wetland Crossing Sites.

Corps ID	County ID	Stream Name	Easting	Northing	Tributary of
121.0	121	N. Fork Coquille R	413034	4784907	Coquille River
122.0	122	Fairview Wetland	412409	4785135	North Fork Coquille River
122.1		Unnamed	411952	4785901	Evans Cr
170.0	170	Unnamed	404848	4793859	Boone Creek
170.1		Unnamed	403531	4794200	Isthmus Slough
175.0	175	Isthmus Sl. Bottoms	402337	4795229	Isthmus Slough
176.0	176	Isthmus Slough	401931	4795192	Coos Bay
176.1		Unnamed	401484	4795163	Isthmus Slough
176A		Unnamed	401347	4795187	Isthmus Slough
177.0	177	Unnamed	401273	4795369	Isthmus Slough
	177a	Unnamed			
	177b	Unnamed			
178.0	178	Unnamed	401246	4795451	Isthmus Slough
178.1		Unnamed	401234	4795486	Isthmus Slough
179.0	179	Unnamed	401135	4795787	Isthmus Slough
179.5		Unnamed	400966	4796333	Shinglehouse Slough
179.5.1		Unnamed	400936	4796431	Shinglehouse Slough
179.9		Unnamed	400906	4796464	Shinglehouse Slough
180.0	180	Shinglehouse Slough	400855	4796607	Isthmus Slough
181.0	181	Unnamed	400727	4796875	Shinglehouse Slough
181A		Unnamed	400758	4796898	Shinglehouse Slough
181B	182	Unnamed	400605	4797305	Shinglehouse Slough
182.0	182a	Unnamed	400600	4797320	Shinglehouse Slough
183.0	183	Unnamed	400310	4797948	Coalbank Slough
184.0		Coalbank Creek	399988	4798473	Coalbank Slough
185.0		Boatman Gulch	399979	4798595	Coalbank Slough
186.0	186.1	Unnamed	399899	4799273	Coalbank Slough
187.0		Unnamed	399734	4800339	Coalbank Slough
188.0	188	Blossom Gulch	400394	4802207	Isthmus Slough
	188a	Blossom Gulch			
	188b	Blossom Gulch			
	188c	Blossom Gulch			
	188d	Blossom Gulch			

Table 1 (cont). ID Numbers and Locations of Cross-Country Stream and Wetland Crossing Sites.

Corps ID	County ID	Stream Name	Easting	Northing	Tributary of
FLS 1	FLS 1	Unnamed	404318	4776821	Glen Aiken Creek
FLS 2	FLS 2	Unnamed	404762	4777089	Glen Aiken Creek
FLS 3	FLS 3	Unnamed	405274	4777801	Glen Aiken Creek
FLS 4	FLS 4	Unnamed	411544	4783554	North Fork Coquille River
FLS 5	FLS 5	Steele Creek	411832	4783667	North Fork Coquille River
FLS 6	FLS 6	Unnamed	411963	4783759	North Fork Coquille River
FLS 8	FLS 8	Unnamed	406619	4778644	Glen Aiken Creek
FLS 9	FLS 9	Unnamed	406586	4778591	Glen Aiken Creek
FLS 10	FLS 10	Unnamed	406688	4778698	Glen Aiken Creek
FLS 11	FLS 11	Unnamed	406761	4778761	Glen Aiken Creek
FLS 12	FLS 12	Unnamed	406931	4778756	Glen Aiken Creek
FLS 13	FLS 13	Unnamed	407243	4778869	Fall Creek
FLS 14	FLS 14	Unnamed	407985	4779205	North Fork Coquille River
FLS 15	FLS 15	Unnamed	409433	4780258	Lost Creek
FLS 16	FLS 16	Unnamed	409477	4780351	Lost Creek
FLS 17	FLS 17	Unnamed	409535	4780419	Lost Creek
FLS 18	FLS 18	Lost Creek	409550	4780478	North Fork Coquille River
FLS 19	FLS 19	Unnamed	409662	4780690	Lost Creek
FLS 20	FLS 20	Unnamed	409782	4780922	Lost Creek
FLS 21	FLS 21	Unnamed	409786	4780936	Lost Creek
FLS 22	FLS 22	Unnamed	410042	4781453	Lost Creek
FLS 23	FLS 23	Unnamed	410354	4782082	Lost Creek
FLS 24	FLS 24	Blair Creek	410513	4782399	North Fork Coquille River
FLS 25	FLS 25	Unnamed	410671	4782711	North Fork Coquille River
FLS 26	FLS 26	Unnamed	410710	4782808	North Fork Coquille River
FLS 27	FLS 27	Unnamed	410735	4782847	North Fork Coquille River
FLS 28	FLS 28	Unnamed	410818	4783008	North Fork Coquille River
FLS 29	FLS 29	Unnamed	410940	4783262	North Fork Coquille River
FLS 30	FLS 30	Unnamed	411305	4783472	North Fork Coquille River
		"Railroad Wetlands"			Rink Creek

Table 2. Sites already satisfactorily restored.

Corps ID	County ID	Stream Name
2.1	2.4	Unnamed
2.5	2.9	Unnamed
3.0	3	Unnamed
5.0	5	Unnamed
6.5	6.5	Unnamed
7.0	7	Unnamed
8.0	8	Unnamed
8.1		Unnamed
9.1		Unnamed
10.0	10	Unnamed
11.0	11	Unnamed
12.0	12	Unnamed
13.0	13	Unnamed
13.1		Unnamed
13.2		Unnamed
14.0	14	Unnamed
15.0	15	Unnamed
16.0	16	Unnamed
17.0	17	Unnamed
18.0	18	Unnamed
19.0	19	Unnamed
20.0	20	Unnamed
21.0	21	Unnamed
21.1		Unnamed
22.0	22	Unnamed
23.0	23	Morgan Creek
24.0	24	Unnamed
25.0	25	Unnamed
26.0	26	Unnamed
27.0	27	Unnamed
29.0	29	Unnamed
34.0	34	Unnamed
36.0	36	Unnamed
37.0	37	Rock Creek
38.0	38	Unnamed
40.0	40	Unnamed
41.0	41	Unnamed
42.0	42	Unnamed
44.0	44	Unnamed
45.0	45	Unnamed
47.0	47	Unnamed
48.0	48	Unnamed
48.1		Unnamed
48.2		Unnamed
48.3		Unnamed
49.0	49	Tenmile Creek
49W	49.5w	Unnamed
50.0	50	Unnamed
51.0	51	Unnamed
52.0	52	Unnamed
52W		Unnamed
52A.1		Unnamed
52A.2		Unnamed
111.0	111	Unnamed
113.0	113	Cherry Creek
113.1		Unnamed
113.2		Unnamed
113.3		Unnamed
113.4		Unnamed
114.0	114	Middle Creek
118.0	118	Unnamed
119.0	119	Unnamed
120.0	120	Unnamed
120.1		Unnamed
121.0	121	North Fork Coquille R.
122.0	122	Fairview Wetland
122.1		Unnamed
175.0	175	Unnamed
176.0	176	Isthmus Slough
176.1		Unnamed
176A		Unnamed
178.0	178	Unnamed
178.1		Unnamed
179.0	179	Unnamed
179.5		Unnamed
179.5.1		Unnamed
179.9		Unnamed
180.0	180	Shinglehouse Slough
181.0	181	Unnamed
184.0	184	Coalbank Creek
185.0	185	Boatman Gulch
186.0	186.1	Unnamed
FLS 1	FLS 1	Unnamed
FLS 2	FLS 2	Unnamed
FLS 3	FLS 3	Unnamed
FLS 4	FLS 4	Unnamed
FLS 5	FLS 5	Steele Creek
FLS 6	FLS 6	Unnamed
FLS 7	FLS 7	Unnamed
FLS 8	FLS 8	Unnamed
FLS 9	FLS 9	Unnamed
FLS 10	FLS 10	Unnamed
FLS 11	FLS 11	Unnamed
FLS 12	FLS 12	Unnamed
FLS 13	FLS 13	Unnamed
FLS 14	FLS 14	Unnamed
FLS 15	FLS 15	Unnamed
FLS 16	FLS 16	Unnamed
FLS 17	FLS 17	Unnamed
FLS 20	FLS 20	Unnamed
FLS 21	FLS 21	Unnamed
FLS 23	FLS 23	Unnamed
FLS 24	FLS 24	Blair Creek
FLS 25	FLS 25	Unnamed
FLS 26	FLS 26	Unnamed
FLS 27	FLS 27	Unnamed
FLS 28	FLS 28	Unnamed
FLS 29	FLS 29	Unnamed
FLS 30	FLS 30	Unnamed
"RR Wetlands"		Rink Creek

Table 3. Inspection, Assessment and Restoration Actions Planned for 2008

Corps ID	County ID	Action
1.0	1	Joint inspection, Spring 2008
2.0	2	Assess culvert size, elevation, alignment and slope
3.1	3a	Assess culvert size, elevation, alignment and slope
4.0	4	Additional plantings per existing GeoEngineers (County) plan Remove coir logs at toe of bank
6.0	6	Additional plantings per existing GeoEngineers (County) plan Assess culvert size, elevation, alignment and slope
9.0	9	Remove road crossing and restore area, or replace existing culvert with one of proper size, elevation, alignment and slope, with sufficient material over the top of the culvert to ensure it will not be crushed by farm equipment. This culvert was installed per an agreement between MasTec and a landowner, independent of the Coos County Natural Gas Pipeline Project.
28.0	28	Assess culvert size, elevation, alignment and slope
30.0	30	Additional plantings per existing GeoEngineers (County) plan Assess culvert size, elevation, alignment and slope
31.0	31	Install fencing to keep cattle out of area of plantings Replant woody vegetation
32.0	32	Joint inspection, Spring 2008
	32a	Joint inspection, Spring 2008
	32b	Joint inspection, Spring 2008
33.0	33	Joint inspection, Spring 2008
34.5	34.5	Joint inspection, Spring 2008
34.5.1	34.5a	Joint inspection, Spring 2008
35.0	35	Joint inspection, Spring 2008
38A	38a	Additional plantings per existing GeoEngineers (County) plan
38B	38b	Additional plantings per existing GeoEngineers (County) plan
39.0	39a	Joint inspection, Spring 2008
39A	39b	Joint inspection, Spring 2008
39A.1	39c	Joint inspection, Spring 2008

Table 3 (cont). Inspection, Assessment and Restoration Actions Planned for 2008

Corps ID	County ID	Action
43.0	43	Additional plantings per existing GeoEngineers (County) plan Cut off and remove exposed portion of flume pipe
46.0	46	Joint inspection, Spring 2008
49A	49a	Joint inspection, Spring 2008
49B	49.5	Joint inspection, Spring 2008
112.0	112	Joint inspection, Spring 2008
112.1	112.3	Joint inspection, Spring 2008
112A	112.3	Joint inspection, Spring 2008
116.0	116	Joint inspection, Spring 2008
117.0	117	Additional plantings per existing GeoEngineers (County) plan
170.0	170	Additional plantings, discontinue herbicide applications and manually control scotch broom, per existing GeoEngineers (County) plan
177.0	177	Discontinue herbicide applications and manually control scotch broom and Himalaya blackberry, per existing GeoEngineers (County) plan
	177a	Reseed for erosion control, per existing GeoEngineers (County) plan
	177b	Discontinue herbicide applications and manually control scotch broom, per existing GeoEngineers (County) plan
181A		Joint inspection, Spring 2008
181B	182	Joint inspection, Spring 2008
182.0	182a	Joint inspection, Spring 2008
183.0	183	Joint inspection, Spring 2008
187.0	187	Joint inspection, Spring 2008
188.0	188	Joint inspection, Spring 2008
	188a	Joint inspection, Spring 2008
	188b	Joint inspection, Spring 2008
	188c	Joint inspection, Spring 2008
	188d	Joint inspection, Spring 2008

Table 3 (cont). Inspection, Assessment and Restoration Actions Planned for 2008

Corps ID	County ID	Action
FLS 18	FLS 18	Joint inspection, Spring 2008
FLS 19	FLS 19	Joint inspection, Spring 2008
FLS 22	FLS 22	Joint inspection, Spring 2008

TABLE 4. Monitoring and Restoration Action Schedule

Schedule for 2008

Date	Milestone
28 February 2008	County submittal of work plans for restoration sites in Table 3
31 March 2008	Corps response to proposed work plans
April - May 2008	Joint inspection of sites in Table 3
31 July 2008	County submittal of monitoring report, with site analyses and recommended actions
30 September 2008	Corps response to monitoring report and recommended actions
31 December 2008	County submittal of restoration work plans for following year

Schedule for 2009 & Subsequent Years

Date	Milestone
April - May	Site inspections
31 July	County submittal of monitoring report, with site analyses and recommended actions
30 September	Corps response to monitoring report and recommended actions
31 December	County submittal of restoration work plans for following year
28 February	Corps response to proposed restoration work plans